

DWDX PATENT APPLICATION DRAWING KEY

1. Compressor
2. Smaller diameter sub-surface liquid refrigerant transport line/tube
3. Insulation
4. Ground surface
5. Heat conductive watertight pipe
6. Sealed pipe lower distal end/bottom
7. Deep well/borehole
8. Bottom (of deep well/borehole)
9. U bend.
10. Refrigerant tube coupling
11. Larger diameter sub-surface vapor refrigerant transport/heat exchange line/tube.
12. Interior located reversing valve
13. Accumulator
14. Finned heat exchange tubing interior heat exchange means
15. Electric powered fan
16. Self-adjusting thermal expansion valve
17. Thermal expansion valve by-pass line
18. Receiver
19. Low pressure cut off switch
20. Single piston metering device
21. Mixture of water and anti-freeze
22. Heat conductive grout
23. Earth
24. Exterior structure wall
25. Connecting exterior refrigerant transport liquid line/tube
26. Connecting exterior refrigerant transport vapor line/tube
27. Interior liquid refrigerant transport line tubing
28. Interior vapor refrigerant transport line tubing
29. Pin restrictor
30. Oil separator
31. Oil return line
32. Suction line portion
33. Alternate Route A
34. Alternate Route B
35. Protective watertight pipe
36. Rope
37. Steel bolt
38. Washers
39. Nuts
40. Winch
41. Solid encasement
42. Top portion of deep well/borehole
43. Accumulator interior refrigerant vapor suction line
44. Open at the top
45. Small hole
46. Small rigid pipe
47. Small rigid copper pipe/bar
48. protective coating